

# AXIS Q1961-TE Thermal Camera

## Dependable remote temperature monitoring

Ideal to improve operational efficiency, this thermometric camera lets you remotely monitor temperatures from  $-40^{\circ}\text{C}$  to  $350^{\circ}\text{C}$  ( $-40^{\circ}\text{F}$  to  $660^{\circ}\text{F}$ ). You'll know if your equipment is close to overheating and can act to avoid unwanted downtime. Supporting up to 10 configurable polygonal detection areas, you can monitor for specific temperature levels or change-rates. With early fire detection analytics, it's possible to monitor early signs of fire with smart filtering of potential false alarms. AXIS Q1961-TE includes built-in cybersecurity features to help safeguard your system. Furthermore, edge-to-edge technology lets you connect network speakers to enable audio alarms.

- > Polygonal temperature monitoring areas
- > Early fire detection analytics
- > Spot temperature reading
- > Built-in cybersecurity features
- > IP66-, IP67-, IK10- and NEMA 4X -rated



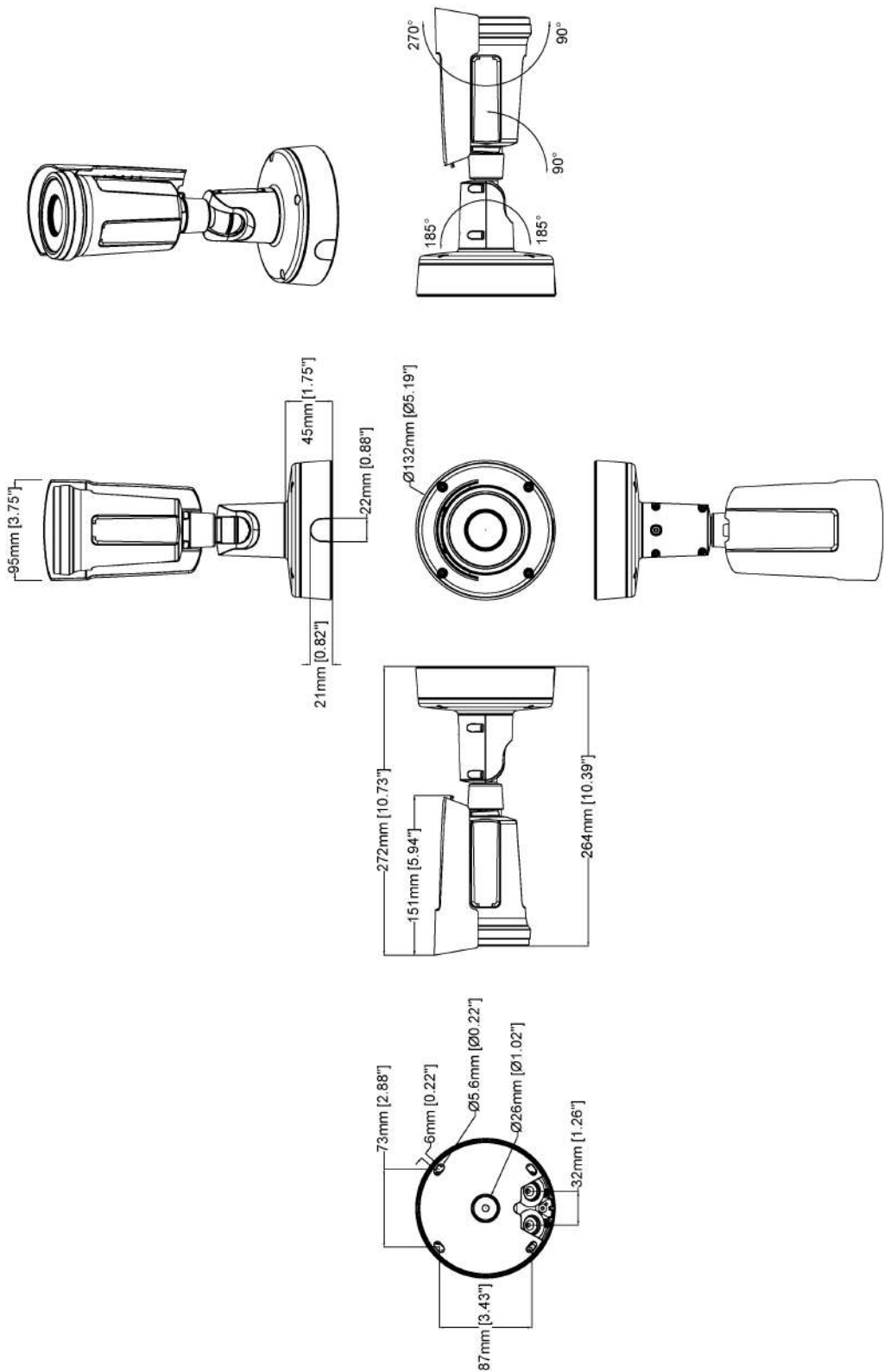
# AXIS Q1961-TE Thermal Camera

| Camera                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Image sensor                      | Uncooled microbolometer 384x288 pixels, pixel size 17 µm.<br>Spectral range: 8-14 µm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Lens                              | Athermalized<br>7 mm<br>Horizontal field of view: 55°, F1.8<br>Minimum focus distance: 1.3 m (4.3 ft)<br>13 mm<br>Horizontal field of view: 28°, F1.0<br>Minimum focus distance: 4 m (13 ft)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Sensitivity                       | NETD 40 mK @25°C, F1.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Thermometry                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Object temperature range          | -40 °C to 350 °C (-40 °F to 662 °F)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Temperature accuracy              | Below 120 °C (248 °F): ±5 °C (±9 °F) accuracy<br>Above 120 °C (248 °F): ±15% accuracy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Detection range                   | We recommend the size of a monitored object to cover at least 10x10 pixels in 384x288.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| General                           | Spot temperature meter, up to 10 polygon temperature detection areas                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| System on chip (SoC)              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Model                             | ARTPEC-8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Memory                            | 2048 MB RAM, 8192 MB Flash                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Compute capabilities              | Deep learning processing unit (DLPU)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Video                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Video compression                 | H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles<br>H.265 (MPEG-H Part 2/HEVC) Main Profile<br>Motion JPEG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Resolution                        | Sensor is 384x288. Image can be scaled up to 768x576.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Frame rate                        | Up to 8.3 fps or 30 fps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Video streaming                   | Up to 20 unique and configurable video streams <sup>a</sup><br>Axis Zipstream technology in H.264 and H.265<br>Controllable frame rate and bandwidth<br>VBR/ABR/MBR H.264/H.265<br>Video streaming indicator                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Image settings                    | Contrast, brightness, sharpness, local contrast, exposure zones, compression, rotation: 0°, 90°, 180°, 270° including corridor format, mirroring, text and image overlay, polygon privacy mask, electronic image stabilization, multiple color palettes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Image processing                  | Axis Zipstream                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Audio                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Audio features                    | AGC automatic gain control<br>Network speaker pairing<br>Spectrum visualizer <sup>b</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Audio streaming                   | Configurable duplex:<br>One-way (simplex, half duplex)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Audio input                       | 10-band graphic equalizer<br>Input for external unbalanced microphone, optional 5 V microphone power<br>Digital input, optional 12 V ring power<br>Unbalanced line input                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Audio output                      | Output via network speaker pairing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Audio encoding                    | 24bit LPCM, AAC-LC 8/16/32/44.1/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Opus 8/16/48 kHz<br>Configurable bit rate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Network                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Network protocols                 | IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTPS <sup>c</sup> , HTTP/2, TLS <sup>c</sup> , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP <sup>e</sup> , SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, SRTP, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, SSH, LLDP, CDP, MQTT v3.1.1, Syslog, Link-Local address (ZeroConf)                                                                                                                                                                                                                                                                                                                                                                                             |
| System integration                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Application Programming Interface | Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform (ACAP); specifications at <a href="https://axis.com/developer-community">axis.com/developer-community</a> . ACAP includes Native SDK and Computer Vision SDK.<br>One-click cloud connection<br>ONVIF <sup>®</sup> Profile G, ONVIF <sup>®</sup> Profile M, ONVIF <sup>®</sup> Profile S, and ONVIF <sup>®</sup> Profile T, specifications at <a href="https://onvif.org">onvif.org</a>                                                                                                                                                                                                                                                                    |
| Video management systems          | Compatible with AXIS Companion, AXIS Camera Station, video management software from Axis' Application Development Partners available at <a href="https://axis.com/vms">axis.com/vms</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Onscreen controls                 | Electronic image stabilization<br>Heater                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Event conditions                  | Application: early fire detection<br>Audio: audio detection, audio clip playing, audio clip currently playing<br>Call: state, state change<br>Device status: above operating temperature, above or below operating temperature, below operating temperature, within operating temperature, IP address removed, new IP address, network lost, system ready, ring power overcurrent protection, live stream active<br>Digital audio input status<br>Edge storage: recording ongoing, storage disruption, storage health issues detected<br>I/O: digital input, manual trigger, virtual input<br>MQTT: subscribe<br>Scheduled and recurring: schedule<br>Video: average bitrate degradation, tampering, temperature detection (above/below/increasing/decreasing) |
| Event actions                     | Audio clips: play, stop<br>I/O: toggle I/O once, toggle I/O while the rule is active<br>MQTT: publish<br>Notification: HTTP, HTTPS, TCP, and email<br>Overlay text<br>Pre- and post-alarm video or image buffering for recording or upload<br>Recordings: SD card and network share<br>SNMP traps: send, send while the rule is active<br>Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share, and email                                                                                                                                                                                                                                                                                                                                    |
| Built-in installation aids        | Pixel counter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Analytics                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Applications                      | Included<br>AXIS Video Motion Detection, AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard, early fire detection, active tampering alarm, audio detection<br>Supported<br>AXIS Perimeter Defender<br>Support for AXIS Camera Application Platform enabling installation of third-party applications, see <a href="https://axis.com/acap">axis.com/acap</a>                                                                                                                                                                                                                                                                                                                                                                                             |
| Approvals                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Product markings                  | CSA, UL/cUL, UKCA, CE, KC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Supply chain                      | TAA compliant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| EMC                               | CISPR 35, CISPR 32 Class A, EN 55035, EN 55032 Class A, EN 50121-4, EN 61000-3-2, EN 61000-3-3, EN 61000-6-1, EN 61000-6-2, IEC 62236-4<br>Australia/New Zealand: RCM AS/NZS CISPR 32 Class A<br>Canada: ICES-3(A)/NMB-3(A)<br>Japan: VCCI Class A<br>Korea: KS C 9835, KS C 9832 Class A<br>USA: FCC Part 15 Subpart B Class A<br>Railway: IEC 62236-4                                                                                                                                                                                                                                                                                                                                                                                                        |
| Safety                            | CAN/CSA C22.2 No. 62368-1 ed. 3, IEC/EN/UL 62368-1 ed. 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Environment                       | IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-78, IEC/EN 60529 IP66/IP67, IEC/EN 62262 IK10 <sup>d</sup> , ISO 21207 Method B, MIL-STD-810H (Method 501.7, 502.7, 505.7, 506.6, 507.6, 509.7, 510.7, 514.8, 516.8, 521.4), NEMA 250 Type 4X, NEMA TS 2 (2.2.7-2.2.9)                                                                                                                                                                                                                                                                                                                                                                                                                                                |

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| <b>Network</b>                                                                                                                                                                                                                                                                                                          | NIST SP500-267                                                                                                                                                                                                                                                                                                                                                                                                     | ø 132 mm (5.2 in)<br>Effective Projected Area (EPA): 0.022 m <sup>2</sup> (0.24 ft <sup>2</sup> ) |
| <b>Cybersecurity</b>                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                   |
| <b>Edge security</b>                                                                                                                                                                                                                                                                                                    | <p><b>Software:</b> Signed firmware, brute force delay protection, digest authentication, password protection, AES-XTS-Plain64 256bit SD card encryption</p> <p><b>Hardware:</b> Secure boot, Axis Edge Vault with Axis device ID, signed video, secure keystore (CC EAL4+, FIPS 140-2 level 2 certified hardware protection of cryptographic operations and keys)</p>                                             |                                                                                                   |
| <b>Network security</b>                                                                                                                                                                                                                                                                                                 | IEEE 802.1X (EAP-TLS) <sup>c</sup> , IEEE 802.1AR, HTTPS/HSTS <sup>c</sup> , TLS v1.2/v1.3 <sup>c</sup> , Network Time Security (NTS), X.509 Certificate PKI, IP address filtering                                                                                                                                                                                                                                 |                                                                                                   |
| <b>Documentation</b>                                                                                                                                                                                                                                                                                                    | <p><i>AXIS OS Hardening Guide</i></p> <p><i>Axis Vulnerability Management Policy</i></p> <p><i>Axis Security Development Model</i></p> <p>To download documents, go to <a href="https://axis.com/support/cybersecurity/resources">axis.com/support/cybersecurity/resources</a></p> <p>To read more about Axis cybersecurity support, go to <a href="https://axis.com/cybersecurity">axis.com/cybersecurity</a></p> |                                                                                                   |
| <b>General</b>                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                   |
| <b>Casing</b>                                                                                                                                                                                                                                                                                                           | IP66/IP67-, NEMA 4X-, and IK10-rated <sup>d</sup><br>Polycarbonate blend and aluminum, germanium window<br>Color: white NCS S 1002-B<br>For repainting instructions, go to the product's support page. For information about the impact on warranty, go to <a href="https://axis.com/warranty-implication-when-repainting">axis.com/warranty-implication-when-repainting</a> .                                     |                                                                                                   |
| <b>Power</b>                                                                                                                                                                                                                                                                                                            | Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3<br>Typical 4.3 W, max 12.95 W<br>10–28 V DC, typical 4.1 W, max 12.95 W                                                                                                                                                                                                                                                                              |                                                                                                   |
| <b>Connectors</b>                                                                                                                                                                                                                                                                                                       | <p>Network: Shielded RJ45 10BASE-T/100BASE-TX/1000BASE-T PoE I/O: Terminal block for 1 supervised alarm input and 1 output (12 V DC output, max. load 50 mA)</p> <p>Audio: 3.5 mm mic/line in</p> <p>Power: DC input, terminal block</p>                                                                                                                                                                           |                                                                                                   |
| <b>Storage</b>                                                                                                                                                                                                                                                                                                          | <p>Support for microSD/microSDHC/microSDXC card</p> <p>Recording to network-attached storage (NAS)</p> <p>For SD card and NAS recommendations see <a href="https://axis.com">axis.com</a></p>                                                                                                                                                                                                                      |                                                                                                   |
| <b>Operating conditions</b>                                                                                                                                                                                                                                                                                             | <p>–40 °C to 60 °C (–40 °F to 140 °F)</p> <p>Maximum temperature according to NEMA TS 2 (2.2.7): 74 °C (165 °F)</p> <p>Humidity 10–100% RH (condensing)</p>                                                                                                                                                                                                                                                        |                                                                                                   |
| <b>Storage conditions</b>                                                                                                                                                                                                                                                                                               | <p>–40 °C to 65 °C (–40 °F to 149 °F)</p> <p>Humidity 5–95% RH (non-condensing)</p>                                                                                                                                                                                                                                                                                                                                |                                                                                                   |
| <b>Dimensions</b>                                                                                                                                                                                                                                                                                                       | Length: 272 mm (10.7 in)                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                   |
| <b>Weight</b>                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                   |
| 1400 g (3.1 lb)                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                   |
| <b>Box content</b>                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                   |
| Camera, installation guide, drill template, TORX® L-keys, terminal block connectors, connector guard, cable gaskets, owner authentication key                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                   |
| <b>Optional accessories</b>                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                   |
| <p>AXIS T94F01M J-Box/Gang Box Plate, AXIS T91A47 Pole Mount, AXIS T94P01B Corner Bracket, AXIS T94F01P Conduit Back Box, AXIS Weather Shield K, Axis PoE Midspans</p> <p>For more accessories, go to <a href="https://axis.com/products/axis-q1961-te#accessories">axis.com/products/axis-q1961-te#accessories</a></p> |                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                   |
| <b>System tools</b>                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                   |
| <p>AXIS Site Designer, AXIS Device Manager, product selector, accessory selector, lens calculator</p> <p>Available at <a href="https://axis.com">axis.com</a></p>                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                   |
| <b>Languages</b>                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                   |
| English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Polish, Traditional Chinese                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                   |
| <b>Warranty</b>                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                   |
| 5-year warranty, see <a href="https://axis.com/warranty">axis.com/warranty</a>                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                   |
| <b>Export control</b>                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                   |
| This product is subject to export control regulations, and you should always comply with all applicable national and international export or re-export control regulations.                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                   |
| <b>Part numbers</b>                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                   |
| Available at <a href="https://axis.com/products/axis-q1961-te#part-numbers">axis.com/products/axis-q1961-te#part-numbers</a>                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                   |
| <b>Sustainability</b>                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                   |
| <b>Substance control</b>                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                   |
| <p>PVC free, BFR/CFR free in accordance with JEDEC/ECA Standard JS709</p> <p>RoHS in accordance with EU RoHS Directive 2011/65/EU/ and EN 63000:2018</p> <p>REACH in accordance with (EC) No 1907/2006.</p>                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                   |
| <b>Materials</b>                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                   |
| <p>Screened for conflict minerals in accordance with OECD guidelines</p> <p>To read more about sustainability at Axis, go to <a href="https://axis.com/about-axis/sustainability">axis.com/about-axis/sustainability</a></p>                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                   |
| <b>Environmental responsibility</b>                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                   |
| <p><a href="https://axis.com/environmental-responsibility">axis.com/environmental-responsibility</a></p> <p>Axis Communications is a signatory of the UN Global Compact, read more at <a href="https://unglobalcompact.org">unglobalcompact.org</a></p>                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                   |

- We recommend a maximum of 3 unique video streams per camera or channel, for optimized user experience, network bandwidth, and storage utilization. A unique video stream can be served to many video clients in the network using multicast or unicast transport method via built-in stream reuse functionality.*
- Feature available with ACAP*
- This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (openssl.org), and cryptographic software written by Eric Young (eay@cryptsoft.com).*
- Excluding front window*

Dimension drawing



AXIS Q1961-TE Thermal Camera

|            |      |               |            |
|------------|------|---------------|------------|
| Revision   | v.01 | Revision date | 2022-06-16 |
| Paper size | A4   | Release date  | 2022-06-16 |
| Created by | MF   | Scale         | 1:5        |

## Key features and technologies

### Thermometry

Thermal cameras detect objects using the infrared radiation (heat) emitted by all objects. Temperature-calibrated thermal cameras, called thermometric cameras, can measure absolute temperatures, while surveillance-optimized thermal cameras show relative temperatures. All types of thermal cameras have excellent object detection capabilities regardless of light conditions – even in total darkness.

### Isothermal palette

A mode that allows the user to select a color range to represent different temperatures in a scene. Each color in an isotherm palette corresponds to a specific temperature value. The user can choose between black-and-white ranges, color ranges, or a mix between the two. The same input (measured thermal radiation) can result in different visual appearance depending on how each pixel value is mapped to a color range.

### Built-in cybersecurity

Axis Edge Vault is a secure cryptographic compute module (secure module or secure element) in which the Axis device ID is securely and permanently installed and stored.

Signed firmware is implemented by the software vendor signing the firmware image with a private key, which is secret. When firmware has this signature attached to it, a device will validate the firmware before accepting and installing it. If the device detects that the firmware integrity is compromised, it will reject the firmware upgrade. Axis signed firmware is based on the industry-accepted RSA public-key encryption method.

Secure boot is a boot process that consists of an unbroken chain of cryptographically validated software, starting

in immutable memory (boot ROM). Being based on signed firmware, secure boot ensures that a device can boot only with authorized firmware. Secure boot guarantees that the Axis device is completely clean from possible malware after resetting to factory default.

TPM is short for Trusted Platform Module. A TPM is a component that provides a set of cryptographic features suitable for protecting information from unauthorized access. The private key is stored in the TPM and never leaves the TPM. All cryptographic operations requiring the use of the private key are sent to the TPM to be processed. This ensures that the secret part of the certificate remains safe even in the event of a security breach.

### Zipstream

The Axis Zipstream technology preserves all the important forensic in the video stream while lowering bandwidth and storage requirements by an average of 50%. Zipstream also includes three intelligent algorithms, which ensure that relevant forensic information is identified, recorded, and sent in full resolution and frame rate.

### Electronic image stabilization

Electronic image stabilization (EIS) provides smooth video in situations where a camera is subject to vibrations. Built-in gyroscopic sensors continuously detect the camera's movements and vibrations, and they automatically adjust the frame to ensure you always capture the details you need. Electronic image stabilization relies on different algorithms for modeling camera motion, which are used to correct the images.

For more information, see [axis.com/glossary](https://www.axis.com/glossary)